



DEPARTMENT OF THE ARMY

U.S. ARMY MEDICAL MATERIEL AGENCY
1423 SULTAN DRIVE, SUITE 100
FORT DETRICK, MARYLAND 21702-5001

REPLY TO
ATTENTION OF:

MCMR-MMO-SO

6 April 2006

**DESTRUCTION OF VACCINE
STANDARD OPERATING PROCEDURES (SOP)**

1. PURPOSE: To provide procedural guidance for the proper disposition of compromised and/or expired vaccines distributed by the United States Army Medical Materiel Agency (USAMMA), Distribution Operations Center (DOC).

2. REFERENCES:

a. MEDCOM Regulation 40-35, Management of Regulated Medical Waste, 22 November 1999. <http://chppm-www.apgea.army.mil/hmwp/document%20library/r40-35.pdf>.

b. Change 1 to MEDCOM Regulation 40-35, 11 June 2001. <http://chppm-www.apgea.army.mil/hmwp/document%20library/c1,r40-35.pdf>.

c. Technical Guide 177, A Commander's Guide to Regulated Medical Waste Management at Army Medical Treatment Facilities, September 2001. <http://chppm-www.apgea.army.mil/documents/tg/techguid/tg177.pdf>.

d. Centers for Disease Control and Prevention, CDC Policy on Unused Smallpox Vaccine, 1 June 2003. <http://www.bt.cdc.gov/agents/smallpox/vaccination/pdf/unusedvaccinepolicy.pdf>.

3. APPLICABILITY: The procedures contained herein are applicable to all Department of Defense (DoD) activities receiving anthrax, smallpox, and/or influenza vaccine.

4. DISPOSAL REQUIREMENTS: DoD Activities are responsible for disposal of compromised or expired vaccine.

a. Activities will report vaccine inventories for destruction to their Service medical logistic agency.

b. Activities must prepare a destruction document.

5. HOW TO PREPARE A DESTRUCTION DOCUMENT: Activities that have a standardized destruction document already in place do not need to prepare any additional destruction documents. The destruction document needs to be faxed to the USAMMA/DOC and must include the following information:

- a. Date when the vaccine was destroyed.
- b. List of lot number(s) destroyed.
- c. Number of unopened vials destroyed.
- d. Method of destruction.

6. METHODS FOR DISPOSAL: Vaccines are to be disposed of according to accepted methods for hazardous or medical waste. Military item disposal instructions are categorized and delineated by code.

a. The disposal codes for the vaccines are: Anthrax vaccine adsorbed = A003, Smallpox (vaccinia) vaccine = A001, Influenza vaccine (intramuscular) = CA01, and Influenza vaccine (intranasal) = A001.

b. Explanations for the disposal codes are detailed in the following U.S. Army Center for Health Promotion and Preventive Medicine (CHPPM) Military Item Disposal Instructions (MIDI) websites:

A001, Short version <http://chppm-www.apgea.army.mil/newmidi/short.aspx?param=a001>

A001, Long version <http://chppm-www.apgea.army.mil/newmidi/longview.aspx?param=a001>

A003, Short version <http://chppm-www.apgea.army.mil/newmidi/short.aspx?param=a003>

A003, Long version <http://chppm-www.apgea.army.mil/newmidi/longview.aspx?param=a003>

CA01, Short version <http://chppm-www.apgea.army.mil/newmidi/short.aspx?param=ca01>

CA01, Long version <http://chppm-www.apgea.army.mil/newmidi/longview.aspx?param=ca01>

7. SPECIAL DISPOSAL INSTRUCTIONS:

a. Anthrax Vaccine Adsorbed (AVA) and Influenza (Injectable) Vaccine: Considered non-hazardous waste. These vaccines can be disposed of in a sharps container if the facility has a Biohazard Program in place, autoclaved, incinerated, or can be returned through a guaranteed returns program.

b. Influenza Virus Vaccine, Live, Intranasal (Flu Mist®): This vaccine can be disposed of in a sharps container if the facility has a Biohazard Program in place, autoclaved, or incinerated. For unused, expired FluMist, customers can call 1-877-FLUMIST to receive a Return Material Authorization for credit. This only applies if the FluMist was purchased at returnable pricing. If activities have not purchased at the returnable price, a returns program may be used if one is in place.

c. Smallpox Vaccine (Dryvax®): **DO NOT DISPOSE OF SMALLPOX VACCINE (DRYVAX®) UNLESS DIRECTED VIA A MEDICAL MATERIEL QUALITY CONTROL (MMQC) MESSAGE.**

(1) **Non-reconstituted** smallpox vaccine, in its dry form, is often extended past its original expiration date, based on repeated successful potency tests. If directed by USAMMA DOC to dispose of Smallpox vaccine, the following guidance is provided. The Centers for Disease Control and Prevention (CDC), in "CDC Policy on Unused Smallpox Vaccine," at <http://www.bt.cdc.gov/agent/smallpox/vaccination/pdf/unusedvaccinepolicy.pdf>, provided guidance that activities may place the vaccine in a sharps container to be autoclaved or, in places where medical waste is buried, it may be soaked in a 1:10 dilution of bleach for at least 10 minutes prior to disposal. Activities can also use a returns program if one is in place.

(2) **Reconstituted** smallpox vaccine, in its liquid form, expires 90 days after mixing the vial, regardless of the expiration date on the box. The expiration clock begins on the date that the vaccine is mixed. After the 90 days have expired, vaccine can be disposed of in a sharps container if the facility has a Biohazard Program in place, autoclaved, incinerated or via a returns program if one is in place.

DO NOT DISCHARGE ANY OF THESE ITEMS INTO A SANITARY SEWER.

8. DESTRUCTION DOCUMENT SHOULD BE FAXED TO:

U.S. ARMY (Executive Agent)

Fax: Comm (301)619-4468, DSN 343-4468

USAMMA Distribution Operations Center (DOC)

1419 Sultan Dr.

Fort Detrick, MD 21702-5001

Comm (301)619-4318, 7235, or 3017

DSN 343-XXXX

Email: usammadoc@amedd.army.mil

9. INSTRUCTIONS FOR ACTIVITIES THAT ARE UNABLE TO DISPOSE OF VACCINE AT THEIR FACILITY: The following procedures should be followed in the event the above mentioned disposal methods are not available or immediate disposal is necessary:

- a. Contact the DOC and provide information regarding lot numbers and quantities. The DOC will provide further shipping guidance.
- b. Remove each vial from its package.
- c. Tear or shred the insert and package and dispose of the insert and package as regular waste.
- d. Deface the label on each vial with red permanent marker.
- e. The activity will pack the container according to instructions provided and mail the container to DOC.
- f. The activity will call the USAMMA/DOC, and provide overnight express-mail tracking number for the container.

10. QUESTIONS OR CONCERNS: Personnel responsible for the disposal/destruction of vaccines should address all questions or concerns to the USAMMA Pharmacist: at Comm (301)619-4307, DSN 343-4307 or Fax X-4468.

Any proposed changes or updates to this SOP must be brought to the attention of the Distribution Operations Center (DOC), UNITED STATES ARMY MEDICAL MATERIEL AGENCY (USAMMA).

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